

CLAIM AMENDMENTS

Claim 1 (Currently Amended)

An ink jet recording apparatus which comprises:

a section which forms an ink image by ejecting an ultraviolet radiation curable ink from an ink jet recording head onto a recording material;

a section which exposes ultraviolet radiation to the ink image formed on the recording material;

wherein the ink jet recording apparatus has a plurality of recording modes each having a different image recording speed in each mode,

the ink jet recording apparatus using an interleave image forming method such that the ink image is composed of jetted ink ~~having different history of exposure~~ that has been exposed to ultraviolet radiation multiple times,

an exposure intensity of ultraviolet radiation exposing to the ink is variable; and

a control section which ~~maintains a nearly constant energy amount~~ varies an exposure intensity of ultraviolet radiation per unit area ~~of ultraviolet radiation exposed to the recording material, independent of the image recording speed~~ depending on the number of times that the jetted ink is exposed.

Claim 2 (Previously Presented)

The ink jet recording apparatus of claim 1, wherein the image recording speed is varied by

(a) varying the relative speed of an ink jet nozzle with respect to the recording material,

(b) varying recording resolution, or

(c) varying pass frequency of the interleave system.

Claim 3 (Original)

The ink jet recording apparatus of claim 1, wherein the exposure intensity of ultraviolet radiation is varied by varying the exposure area of ultraviolet radiation or varying an illumination intensity of ultraviolet radiation.

Claim 4 (Canceled)

Claim 5 (Currently Amended)

The ink jet recording apparatus of claim 1, wherein ~~an~~ the exposure intensity of ultraviolet radiation exposing to the ink is varied corresponding to the image recording speed.

Claim 6 (Currently Amended)

An ink jet recording method which forms an ink image by ejecting an ultraviolet radiation curable ink from an ink jet recording head onto a recording material and subsequently exposing ultraviolet radiation to the ink image,

wherein the ink jet recording method comprises a plurality of recording modes having a different image recording speed in each mode,

the ink image is formed by an interleave image forming method in which the ink image is composed of jetted ink ~~having different history of exposure~~ that has been exposed to ultraviolet radiation multiple times,

an exposure intensity of ultraviolet radiation exposing to the ink is variable,

~~maintaining an varying the exposure intensity amount per unit area of ultraviolet radiation per unit area exposed to the recording material nearly constant and independent of the image recording speed~~ depending on the number of times that the jetted ink is exposed.

Claim 7 (Previously Presented)

The ink jet recording method of claim 6, wherein the image recording speed is varied by

- (a) varying the relative speed of an ink jet nozzle with respect to the recording material,
- (b) varying recording resolution, or
- (c) varying pass frequency of the interleave system.

Claim 8 (Original)

The ink jet recording method of claim 6, wherein the exposure intensity of ultraviolet radiation is varied by varying the exposure area of ultraviolet radiation or varying the illumination intensity of ultraviolet radiation.

Claim 9 (Canceled)

Claim 10 (Currently Amended)

An ink jet recording apparatus which comprises:

a section which forms an ink image by ejecting an ultraviolet radiation curable ink from an ink jet recording head onto a recording material;

a section which exposes ultraviolet radiation to the ink image formed on the recording material;

wherein the ink jet recording apparatus has a plurality of recording modes each having a different image recording speed by varying pass frequency employing an interleave system in each mode such that the ink image is composed of jetted ink that has been exposed to ultraviolet radiation multiple times,

an exposure intensity of ultraviolet radiation exposing to the ink is variable; and

a control section which ~~maintains a nearly constant energy amount~~ varies an exposure intensity of ultraviolet radiation per unit area depending on the number of times that the jetted ink is exposed, and maintains nearly a constant amount of energy per unit area independent of the image recording speed by varying a pass frequency of the interleave system.

Claim 11 (Currently Amended)

An ink jet recording method which forms an ink image by ejecting an ultraviolet radiation curable ink from an ink jet recording head onto a recording material and subsequently exposing ultraviolet radiation to the ink image,

wherein the ink jet recording method comprises a plurality of recording modes having a different image recording speed caused by varying pass frequency employing an interleave system in each mode such that the ink image is composed of jetted ink that has been exposed to ultraviolet radiation multiple times,

varying an exposure intensity of ultraviolet radiation exposed to the ink, and

~~maintaining an~~ varying an exposure intensity amount per
~~unit area of ultraviolet radiation per unit area exposing to the~~
~~recording material nearly constant, independent of the image~~
~~recording speed caused by varying pass frequency employing the~~
~~interleave system~~ depending on the number of times that the
jetted ink is exposed, and

maintaining nearly a constant amount of energy per unit
area independent of the image recording speed by varying a pass
frequency of the interleave system.